

What is claimed is:

1. A vehicle hydraulic brake device comprising a hydraulic pressure source for generating and outputting a predetermined hydraulic pressure, a pressure adjusting valve for adjusting the output hydraulic pressure of said hydraulic pressure source to a value proportional to a brake operating amount, a pressure chamber, a master cylinder having a master piston actuated under the output hydraulic pressure of said pressure adjusting valve introduced into a pressure chamber, or under the output hydraulic pressure of said pressure adjusting valve introduced into a pressure chamber and the brake operating force to generate brake hydraulic pressure, and wheel cylinders actuated by the output hydraulic pressure from the master cylinder to impart braking force to the respective wheels,

further comprising a bottoming detector for detecting the bottoming of said master piston, and a hydraulic pressure supply device for supplying the output hydraulic pressure of said pressure adjusting valve to a hydraulic system extending from said master cylinder to said wheel cylinders, said hydraulic pressure supply device supplying the output hydraulic pressure of said pressure adjusting valve to said

hydraulic system when said bottoming detector detects the bottoming of said master piston.

2. A vehicle hydraulic brake device as claimed in claim 1 wherein said hydraulic pressure supply device supplies the output hydraulic pressure of said pressure adjusting valve to said hydraulic system if said bottoming detector detects the bottoming of said master piston, and the output hydraulic pressure of said master cylinder at the time is not less than a predetermined first hydraulic pressure.

3. A vehicle hydraulic brake device as claimed in claim 1 wherein said hydraulic pressure supply device starts supplying hydraulic pressure to said hydraulic system when said bottoming detector detects the bottoming of said master piston, and stops supplying hydraulic pressure to said hydraulic system when the output hydraulic pressure of said master cylinder and/or the output hydraulic pressure of said pressure adjusting valve is not more than a predetermined second hydraulic pressure.

4. A vehicle hydraulic brake device as claimed in claim 2 wherein said hydraulic pressure supply device starts supplying hydraulic pressure to said hydraulic

system when said bottoming detector detects the bottoming of said master piston, and stops supplying hydraulic pressure to said hydraulic system when the output hydraulic pressure of said master cylinder and/or the output hydraulic pressure of said pressure adjusting valve is not more than a predetermined second hydraulic pressure.

5. A vehicle hydraulic brake device as claimed in claim 1 wherein said hydraulic pressure supply device starts supplying hydraulic pressure to said hydraulic system when said bottoming detector detects the bottoming of said master piston, and stops supplying hydraulic pressure to said hydraulic system when a predetermined time has passed after starting supplying hydraulic pressure.

6. A vehicle hydraulic brake device as claimed in claim 2 wherein said hydraulic pressure supply device starts supplying hydraulic pressure to said hydraulic system when said bottoming detector detects the bottoming of said master piston, and stops supplying hydraulic pressure to said hydraulic system when a predetermined time has passed after starting supplying hydraulic pressure.

7. A vehicle hydraulic brake device as claimed in claim 1 wherein said hydraulic pressure supply device starts supplying hydraulic pressure to said hydraulic system when said bottoming detector detects the bottoming of said master piston, and stops supplying hydraulic pressure to said hydraulic system when a predetermined time has passed after said bottoming detector detects that as a result of supply of hydraulic pressure by said hydraulic pressure supply device, said master piston has recovered to a non-bottoming state.

8. A vehicle hydraulic brake device as claimed in claim 2 wherein said hydraulic pressure supply device starts supplying hydraulic pressure to said hydraulic system when said bottoming detector detects the bottoming of said master piston, and stops supplying hydraulic pressure to said hydraulic system when a predetermined time has passed after said bottoming detector detects that as a result of supply of hydraulic pressure by said hydraulic pressure supply device, said master piston has recovered to a non-bottoming state.

9. A vehicle hydraulic brake device as claimed in claim 1 wherein said bottoming detector includes an

alarm for producing an alarm when it detects the
bottoming of said master piston.

10. A vehicle hydraulic brake device as claimed in
claim 2 wherein said bottoming detector includes an
alarm for producing an alarm when it detects the
bottoming of said master piston.